

2012 Electrochemical Measurement Workshop

Schedule for August 6-10, 2012

Monday, August 6, 2012

8:40 - 10:00 am	Scherson	Fundamentals: Potentials
10:00 - 10:15 am		Break - Nord Hall Room 410
10:15 - 12:00 pm	White	Mass Transport: Random Walk and Diffusion (Fick's Law), Diffusion and Migration (Nernst-Planck eq.) Numerical Simulations
12:00 - 1:00 pm		Lunch
1:00 - 2:15 pm	Scherson	Electrochemical Double Layer
2:15 - 2:30 pm		Break - Millis 110 1st Floor Lab
2:30 - 4:00 pm		First Laboratory Rotation
4:00 - 5:30 pm		Second Laboratory Rotation

Tuesday, August 7, 2012

8:30 - 9:45 am	White	Steady-State Voltammetry Using Microelectrodes
9:45 - 10:00 am	Scherson	Rotating Disk and Forced Convection Systems
10:00 - 10:15 am		Break - Nord Hall Room 410
11:15 - 12:15 pm	White	Electrochemical Measurements: Classification of Methods and Basic Concepts; Reference Electrodes; Cell Resistance and Cyclic Voltammetry; Electroanalytical Measurements; Chronoamperometry
12:15 - 1:15 pm		Lunch
1:15 - 2:15 pm	Scherson	Kinetics
2:15 - 2:30 pm		Break - Millis 110 1st Floor Lab
2:30 - 4:00 pm		Third Laboratory Rotation
4:00 - 5:30 pm		Fourth Laboratory Rotation
6:15 pm		Banquet - Night Town-Patio
8:00 pm		Back to Hotel

Wednesday, August 8, 2012

8:30 - 10:00 am	Orazem	Electrochemical Impedance Measurements
10:00 - 10:15 am		Break - Nord Hall Room 410
10:15 - 12:00 pm	White	Scanning Electrochemical Microscopy, STM and AFM Kinetics
12:00 - 1:00 pm		Lunch
1:00 - 2:15 pm	Frankel	Corrosion / Passivation
2:15 - 2:30 pm		Break - Millis 110 1st Floor Lab
2:30 - 3:45 pm	Antloga/Orazem	First Demonstration Session - A.W. Smith 103B/Millis 110
2:30 - 3:45 pm	Antloga/Orazem	Second Demonstration Session - A.W. Smith 103B/Millis 110

*** Schedule is subject to last minute changes ***

*** Lunch vouchers will be provided daily for Thomlinson Hall on the Quad ***

Thursday, August 9, 2012

8:30 - 10:00 am	Scherson	In situ Spectroscopy
10:00 - 10:15 am		Break - Nord Hall Room 410
10:15 - 12:00 pm	Landau	Electrochemical Engineering
12:00 - 1:00 pm		Lunch
1:00 - 2:15 pm	Scherson	Electrocatalysis
2:15 - 2:30 pm		Break - Nord Hall Room 410
2:30 - 3:45 pm	Wainright	Fuel Cells
3:45 - 6:30 pm	Open Session	Hovorka Atrium

Friday, August 10, 2012

8:45 - 10:15 am	Miller/Middaugh	Third Demonstration Session Millis 110
10:15 - 10:30 am		Break - Millis 110 1st Floor Lab
10:30 - 12:00 pm	Miller/Middaugh	Fourth Demonstration Session Millis 110
12:00 - 1:00 pm		Lunch
1:00 - 2:30 pm	Landau/TBA	Fifth Demonstration Session 103B A.W. Smith/Millis 110
2:30 - 4:00 pm	TBA/Landau	Sixth Demonstration Session Millis 110/103B A.W. Smith
4:00 pm		Certificate Awards/Adjournment - Millis 123 1st Floor

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